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### DKD4

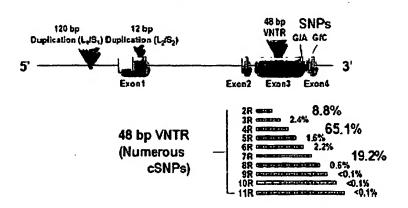


FIG. 1

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17)	7											•••									R 2/3
(K)	8											il,									H 2
(V)	9											.41 E1,									H 2 (or R 2/3)
(a)	10											517									u 2
(q)	11											**									R 2/3 (or H 3)
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አ)	16																				
~, o)	17											•••									H 5
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	25																				B 4

FIG. 2

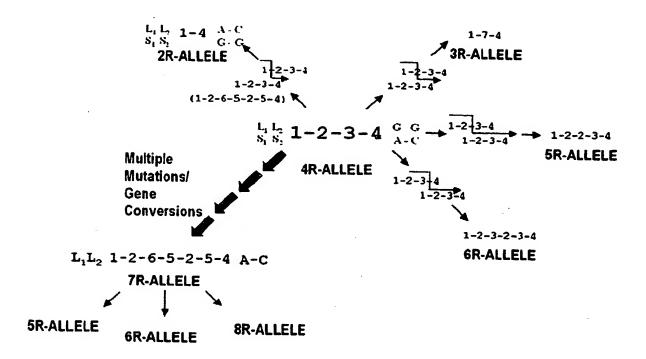


FIG. 3

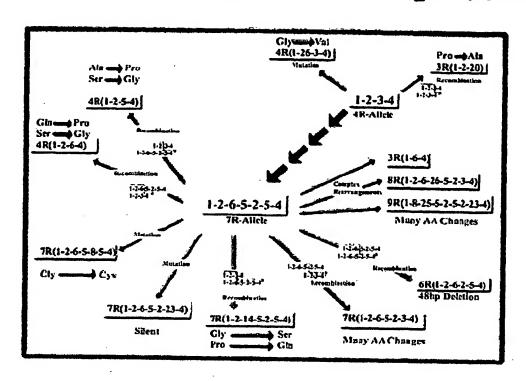


FIG. 4

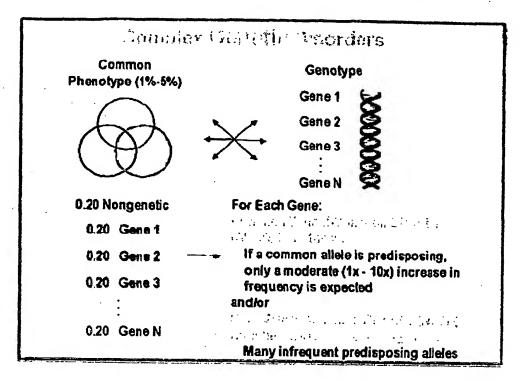


FIG. 5

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Single Gene Complex Genetic Disorder "Neither Necessary nor Sufficient" Huntington Disease Model - Three Genes A = 0.9999 = Normal alicle A \* DRD4 non-7R \* 0.88 B = 0.95 C = 0.95 a = 0.0001 = Disease allelea - DRD4 7R - 0.12 b = 0.05 c = 0.05a/x 0.0002 Disease frequency *u*∕x ⋅ 0.22  $b/x \cdot c/x \cdot 0.10$ Sum-fold mercase in a affele Assuming Independent Assortment (a/x)(b/x) = 0.02fraguent v (a/x)(c/x) - 0.02Discuse frequency - 0.05 (Mx)(c/x) = 0.012.4 fold increase in a. h. r. allele frequency

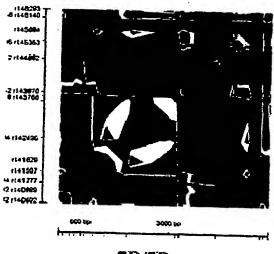
FIG. 6

10/539082 7/10 ACB2160 (d1,000 143,000 142,000 144,000 .145,000 [46,000 -809 G/A -5/A +1 -5/1 T/C | 48bp VNTH 4R / 4R 7R / 7R CORT # 8 #1 #100 Am loco) recelomma Afric Sinmary gate-Rave Albite 🚪 Melennes poie

**FIG. 7** 

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4R/4R (n = 51)



7R/7R (n = 43)

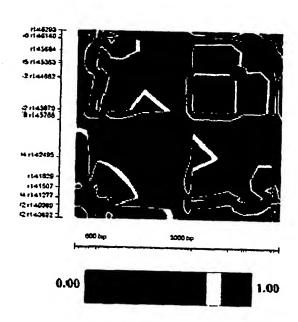


FIG. 8

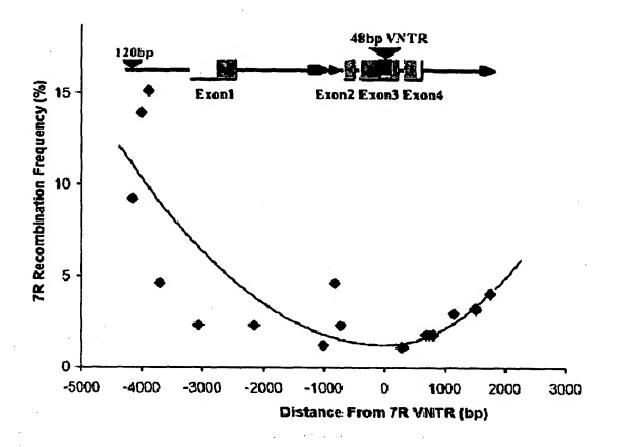


FIG. 9

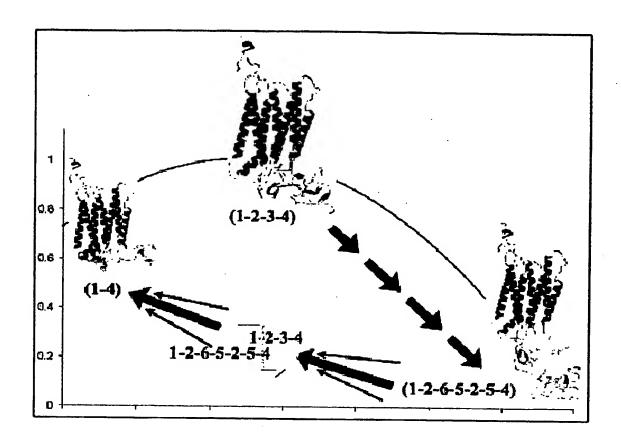


FIG. 10

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